



GUARDIAN

SPORT EXT

REHABILITATOR™

*The Future Standard of Care in
the World of Knee Bracing*

IMPROVE PATIENT OUTCOMES!

- Controls posterior subluxation and provides multiplanar stability after antibiotic spacer placement
- Facilitates full weight bearing ambulation, simultaneously correcting posterior subluxation and facilitating quadriceps firing
- Provides pain relief
- Improves knee extension
- Treats knee flexion contracture
- Provides gait retraining with retained effect

800-375-0207

BRACE SELECTION	INDICATION	STABILITY	PAIN RELIEF	UNBRACED PAIN RELIEF AFTER 90 DAYS	IMPROVE QUADS / HAMSTRING STRENGTH	IMPROVES KNEE EXTENSION	IMPROVES FOOT PLACEMENT	GAIT RETRAINING WITH RETAINED EFFECT	TREATS KNEE FLEXION CONTRACTURE
SPORT EXT REHABILITATOR™	Reverse Knee Flexion Contracture w/Gait	✓	✓	✓	✓	✓	✓	✓	✓
COMPETITIVE DYNAMIC BRACE	Knee Flexion Contracture					✓			✓



U.S. Patents

7,608,051 / 7,963,933 / 8,057,414 / 8,308,669 / 8,376,947

The degree of knee extension is associated with postoperative clinical, functional and radiographic outcomes. Despite better understanding of the etiology of development of knee flexion contractures and their management, its prevalence can be as high as 42% to 58% in many common conditions.

Common conservative options to treat knee flexion contracture include:

- Physical therapy
- Home exercise program
- Mechanical therapy (splints, braces etc.)

Effectiveness of these traditional treatments is dependent on the intensity, duration and frequency. Physical therapy is often not frequent enough or of

adequate duration to realize desired outcomes. Most home exercise programs are active for a short duration and not enough force is transmitted through the tight tissue. Mechanical therapy does not allow the patient to be ambulatory and does not promote active stretch.

The *SPORT EXT* REHABILITATOR™ brace was developed to address all of these issues. The brace imparts adequate deforming force to the tight tissue when seated or when walking. It allows the patient to be mobile, promotes active stretch every step the patient takes and facilitates quadriceps activation. In addition, the brace also gives multi-planar stability and correct kinematic knee joint positioning through strategically placed air bladders.

WHAT DOES THE *SPORT EXT* REHABILITATOR™ DO?

- Dual elastic tension bands and SWING ASSIST™, in conjunction with anterior and posterior air bladders, apply a correct kinematic stretch. There is a posterior-anterior glide of the proximal tibia over the distal femur as the knee joint extends.
- In a long sit or a supine position, with the heel propped, it applies an extension moment to the knee joint while preserving correct kinematics.
- In walking, it promotes active stretch with every step. As the leg comes from stance to the swing phase, the SWING ASSIST™, in conjunction with the posterior and anterior air bladders, push the knee joint into more extension every step. This promotes quadriceps activation.
- Patients with weak quadriceps benefit by having the brace stabilize stance phase and promote knee extension during the stance phase.
- Medial/lateral air bladders allow for improved control and eliminate brace migration. In conjunction with the anterior/posterior air bladders, the brace provides multi-planer stability.



GUARDIAN
• BRACE •

Call **800-375-0207**
to order or for more information.